

MAJOR FUNCTION

This is highly skilled journeyman level work responsible for the day-to-day operations and monitoring of modern power generating equipment including simple cycle combustion turbines, reciprocating engine/generators and combined-cycle generating units, auxiliaries and miscellaneous station equipment. Work consists of: performing switching operations on station or substation equipment; overseeing and directing the activities of other employees; training and instructing assigned employees and participating in required training programs. While work is performed according to established routine, employee must exercise independent judgment in meeting unusual or emergency conditions. Work is performed under the general supervision of the Shift Supervisor and is reviewed through observations, inspections and by results obtained.

ESSENTIAL AND OTHER IMPORTANT JOB DUTIES**Essential Duties**

Operates modern power generating facilities including combustion turbine/generators, steam turbine/generators and reciprocating engine/generators. Controls and monitors the starting, loading, operations and shutdown of generating units and associated equipment. Coordinates operations with the Electric & Gas Control Center to ensure reliable operations of the electric system. Closes and opens switchyard circuit breakers as required. Operates Zero Discharge facilities (Purdom) and selective catalytic reduction (SCR) facilities (Hopkins). Monitors all operating conditions and parameters and makes necessary adjustments or initiates corrective actions as required for safe and efficient operation. Records operating conditions and readings in plant logs. Coordinates site activities, including maintenance and security, to ensure safe and reliable operations. Reports problems or abnormal conditions to the Shift Supervisor. Monitors and controls generating units to ensure operations are conducted within all safety, operational and environmental requirements. Under the direction of the Shift Supervisor, prepares and issues clearances on all equipment that is out for repair; Safe Work, Confined Space, Hot Work and Excavation Permits. May direct the work and training of apprentice personnel. Participates in safety training as required. Checks with the operator being relieved for special orders and operating conditions. Reviews logs and makes visual inspection of panels and equipment. Performs other duties as required.

Other Important Duties

During periods when lab personnel are not onsite, monitor and control demineralized water systems and water quality equipment. Keeps work area clean at all times. May act in the place of the Shift Supervisor in their absence.

DESIRABLE QUALIFICATIONS**Knowledge, Abilities and Skills**

Thorough knowledge of the operation of HRSGs, turbine-generators, reciprocating engines, condensers, pumps, motors, and all other auxiliary equipment pertaining to the operation of a power plant. Considerable knowledge of the principles of electrical power generation. Ability to put turbine-generators and reciprocating engine-generators on line and synchronize units. Ability to put tripped circuits back into service. Thorough knowledge and ability to operate Zero Discharge facility, SCR's and associated equipment. Through knowledge of the power plant operational and environmental limitations and requirements. Ability to anticipate and react quickly to emergency conditions. Ability to follow complex technical oral and written instructions. Ability to read and work from blueprints. Ability to work in adverse weather and operating conditions including heavy manual tasks. Ability to work at heights, climb ladders and work in enclosed spaces. Must be in good physical condition.

Minimum Training and Experience

Possession of a high school diploma or an equivalent recognized certificate and completion of the Electric & Gas Utility apprenticeship program for Power Plant Operations; completion of an external apprenticeship program in power plant operations and one year of journeyman level work experience that includes the operation of modern power generation equipment such as combustion turbines, reciprocating engine/generators and combined cycle generating units; or an equivalent combination of training and experience.

Necessary Special Requirement

Must be medically certified to wear a respirator and pass a respirator fit test prior to employment.

Must possess a valid Class E State driver's license at time of appointment.

An employee assigned to the Purdom Power Plant, or who occasionally may be required to have unescorted access to the Port Facility portion of the Purdom Power Plant, as determined by the General Manager-Electric & Gas, must obtain Transportation Workers Identification Credentials (TWIC) within 90-days of employment, and must maintain such credentials throughout his/her period of employment in that capacity as a condition of continued employment.

Individuals in this classification must be able to work rotating shifts of 12 hours in length that cover 24 hours a day 7 days a week.

Individuals in this classification must be available to serve on-call and are subject to having to work outside of their assigned shift/schedule to meet operational needs.

Individuals in this classification are considered essential during emergency and storm situations and must be able to work 16 hours per day for extended periods of time and may be required to be away from their family.

Must be able to distinguish between red and green.

Must obtain within one year, and maintain for continued employment, HAZMAT and oil spill certifications within one year of employment.

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